

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/565,415  
Source: IFwp  
Date Processed by STIC: 1/30/06

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IFWP

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/565,415

DATE: 01/30/2006  
TIME: 15:47:44

Input Set : F:\UTSG263.APP.txt  
Output Set: N:\CRF4\01302006\J565415.raw

3 <110> APPLICANT: SIMMONS, ANTHONY  
4 CHEN, JIANMIN  
6 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR HERPES SIMPLEX PROPHYLAXIS  
7 AND TREATMENT  
9 <130> FILE REFERENCE: UTSG:263US  
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/565,415  
12 <141> CURRENT FILING DATE: 2006-01-23  
14 <150> PRIOR APPLICATION NUMBER: PCT/US2004/024013  
15 <151> PRIOR FILING DATE: 2004-07-26  
17 <150> PRIOR APPLICATION NUMBER: 60/489,984  
18 <151> PRIOR FILING DATE: 2003-07-25  
20 <160> NUMBER OF SEQ ID NOS: 36  
22 <170> SOFTWARE: PatentIn Ver. 2.1  
24 <210> SEQ ID NO: 1  
25 <211> LENGTH: 921  
26 <212> TYPE: DNA  
27 <213> ORGANISM: Artificial Sequence  
29 <220> FEATURE:  
30 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
31 Primer  
33 <400> SEQUENCE: 1  
34 atggagacag acacactcct gctatggta ctgctgctct gggttccagg ttccactgg 60  
35 gacgcggccc agccggccag gcgcgcgcgc cgtaacaagg ttggtaccga gctcgatcc 120  
36 gacatccaga tgaccaggc tccatcctcc ttatctgcct ctctgggaga aagagtca 180  
37 ctcacttgc gggcaagtca gaaaattagt gcttacttaa gctggctca gcagaaaacca 240  
38 gatggaaacta ttaaaacgcct gatctacgccc gcatccactt tagattctgg tgtcccaaaa 300  
39 aggttcaggc gcagtagggtc tgggtcagat tattctctca ccatcagcag ctttgcgtct 360  
40 gaagattttgcagactatta ctgtctacaa tatgtatgtt atccgctcac gttcggtgct 420  
41 gggaccaagc tggagctggc cggtggcgg tcgggtggag gaggcagcgg aggccgtgg 480  
42 tcggtaagc tgcaggagtc tgacacctgag ctggtaagc ctggggctc agtgaagatg 540  
43 tcctgcaagg cttctgctca caccttcaca agctcctatg tacactgggt gaagcagagg 600  
44 cctggacagg gacttgatgt gattggatgg atttacatcg gacatagtag tactaagtac 660  
45 aatgagaagt tcatggcaa gaccatattg actggacaca aatcctccag cacacccatc 720  
46 atgttgctca gcagccctgac ctctgaggac tctgcgatat atttctgtac aaggcaggag 780  
47 gtacgactct ggtacttcga tgtctggggc gcaggacca cggtcaccgt ctccgcggcc 840  
48 gctcgaggag ggccggaaaca aaaactcatc tcagaagagg atctgaatag cgccgtcgac 900  
49 catcatcatc atcatcattt a 921  
52 <210> SEQ ID NO: 2  
53 <211> LENGTH: 306  
54 <212> TYPE: PRT  
55 <213> ORGANISM: Artificial Sequence  
57 <220> FEATURE:  
58 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

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59 Peptide  
61 <400> SEQUENCE: 2  
62 Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Trp Val Pro  
63 1 5 10 15  
65 Gly Ser Thr Gly Asp Ala Ala Gln Pro Ala Arg Arg Ala Arg Arg Thr  
66 20 25 30  
68 Lys Leu Gly Thr Glu Leu Gly Ser Asp Ile Gln Met Thr Gln Ser Pro  
69 35 40 45  
71 Ser Ser Leu Ser Ala Ser Leu Gly Glu Arg Val Ser Leu Thr Cys Arg  
72 50 55 60  
74 Ala Ser Gln Glu Ile Ser Ala Tyr Leu Ser Trp Leu Gln Gln Lys Pro  
75 65 70 75 80  
77 Asp Gly Thr Ile Lys Arg Leu Ile Tyr Ala Ala Ser Thr Leu Asp Ser  
78 85 90 95  
80 Gly Val Pro Lys Arg Phe Ser Gly Ser Arg Ser Gly Ser Asp Tyr Ser  
81 100 105 110  
83 Leu Thr Ile Ser Ser Leu Glu Ser Glu Asp Phe Ala Asp Tyr Tyr Cys  
84 115 120 125  
86 Leu Gln Tyr Ala Ser Tyr Pro Leu Thr Phe Gly Ala Gly Thr Lys Leu  
87 130 135 140  
89 Glu Leu Gly Gly Ser Gly Gly Ser Gly Gly Ser Gly Gly Gly  
90 145 150 155 160  
92 Ser Val Lys Leu Gln Glu Ser Gly Pro Glu Leu Val Lys Pro Gly Ala  
93 165 170 175  
95 Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Ser  
96 180 185 190  
98 Tyr Val His Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile  
99 195 200 205  
101 Gly Trp Ile Tyr Pro Gly His Ser Ser Thr Lys Tyr Asn Glu Lys Phe  
102 210 215 220  
104 Met Gly Lys Thr Ile Leu Thr Ala Asp Lys Ser Ser Ser Thr Ala Tyr  
105 225 230 235 240  
107 Met Leu Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Ile Tyr Phe Cys  
108 245 250 255  
110 Thr Arg Gln Glu Val Arg Leu Trp Tyr Phe Asp Val Trp Gly Ala Gly  
111 260 265 270  
113 Thr Thr Val Thr Val Ser Ala Ala Ala Arg Gly Gly Pro Glu Gln Lys  
114 275 280 285  
116 Leu Ile Ser Glu Glu Asp Leu Asn Ser Ala Val Asp His His His His  
117 290 295 300  
119 His His  
120 305  
123 <210> SEQ ID NO: 3  
124 <211> LENGTH: 15  
125 <212> TYPE: DNA  
126 <213> ORGANISM: Artificial Sequence  
128 <220> FEATURE:  
129 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
130 Primer

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Input Set : F:\UTSG263.APP.txt

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132 <400> SEQUENCE: 3  
 133 tgggtggaaag atgga 15  
 136 <210> SEQ ID NO: 4  
 137 <211> LENGTH: 32  
 138 <212> TYPE: DNA  
 139 <213> ORGANISM: Artificial Sequence  
 141 <220> FEATURE:  
 142 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 143 Primer  
 145 <400> SEQUENCE: 4  
 146 ggtgatatacg tgatracmca rgatgaactc tc 32  
 149 <210> SEQ ID NO: 5  
 150 <211> LENGTH: 32  
 151 <212> TYPE: DNA  
 152 <213> ORGANISM: Artificial Sequence  
 154 <220> FEATURE:  
 155 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 156 Primer  
 158 <400> SEQUENCE: 5  
 159 ggtgatatacw tgmtgaccca awctccactc tc 32  
 162 <210> SEQ ID NO: 6  
 163 <211> LENGTH: 32  
 164 <212> TYPE: DNA  
 165 <213> ORGANISM: Artificial Sequence  
 167 <220> FEATURE:  
 168 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 169 Primer  
 171 <400> SEQUENCE: 6  
 172 ggtgatatacg tkctcacyca rtctccagca at 32  
 175 <210> SEQ ID NO: 7  
 176 <211> LENGTH: 19  
 177 <212> TYPE: DNA  
 178 <213> ORGANISM: Artificial Sequence  
 180 <220> FEATURE:  
 181 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 182 Primer  
 184 <400> SEQUENCE: 7  
 185 ctgwtgttct ggattccctg 19  
 188 <210> SEQ ID NO: 8  
 189 <211> LENGTH: 18  
 190 <212> TYPE: DNA  
 191 <213> ORGANISM: Artificial Sequence  
 193 <220> FEATURE:  
 194 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 195 Primer  
 197 <400> SEQUENCE: 8  
 198 gtgctctgga ttcggaa 18  
 201 <210> SEQ ID NO: 9  
 202 <211> LENGTH: 21

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Input Set : F:\UTSG263.APP.txt

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203 <212> TYPE: DNA  
204 <213> ORGANISM: Artificial Sequence  
206 <220> FEATURE:  
207 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
208 Primer  
210 <400> SEQUENCE: 9  
211 tcagcttcyt gctaattcgt g 21  
214 <210> SEQ ID NO: 10  
215 <211> LENGTH: 19  
216 <212> TYPE: DNA  
217 <213> ORGANISM: Artificial Sequence  
219 <220> FEATURE:  
220 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
221 Primer  
223 <400> SEQUENCE: 10  
224 tgggttatctg gtrcstgtg 19  
227 <210> SEQ ID NO: 11  
228 <211> LENGTH: 19  
229 <212> TYPE: DNA  
230 <213> ORGANISM: Artificial Sequence  
232 <220> FEATURE:  
233 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
234 Primer  
236 <400> SEQUENCE: 11  
237 gtttcmaggt rccagatgt 19  
240 <210> SEQ ID NO: 12  
241 <211> LENGTH: 21  
242 <212> TYPE: DNA  
243 <213> ORGANISM: Artificial Sequence  
245 <220> FEATURE:  
246 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
247 Primer  
249 <400> SEQUENCE: 12  
250 tgggttatctg gtrcstgtg 21  
253 <210> SEQ ID NO: 13  
254 <211> LENGTH: 20  
255 <212> TYPE: DNA  
256 <213> ORGANISM: Artificial Sequence  
258 <220> FEATURE:  
259 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
260 Primer  
262 <400> SEQUENCE: 13  
263 ctstgggtgt ctgggttgta 20  
266 <210> SEQ ID NO: 14  
267 <211> LENGTH: 18  
268 <212> TYPE: DNA  
269 <213> ORGANISM: Artificial Sequence  
271 <220> FEATURE:  
272 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

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Input Set : F:\UTSG263.APP.txt

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273 Primer  
 275 <400> SEQUENCE: 14  
 276 tgctkckctg ggttccag 18  
 279 <210> SEQ ID NO: 15  
 280 <211> LENGTH: 20  
 281 <212> TYPE: DNA  
 282 <213> ORGANISM: Artificial Sequence  
 284 <220> FEATURE:  
 285 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 286 Primer  
 288 <400> SEQUENCE: 15  
 289 taacccttga ccaggcatcc 20  
 292 <210> SEQ ID NO: 16  
 293 <211> LENGTH: 36  
 294 <212> TYPE: DNA  
 295 <213> ORGANISM: Artificial Sequence  
 297 <220> FEATURE:  
 298 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 299 Primer  
 301 <400> SEQUENCE: 16  
 302 gaggtgaagc tgcaggagtc aggaccttagc ctggtg 36  
 305 <210> SEQ ID NO: 17  
 306 <211> LENGTH: 22  
 307 <212> TYPE: DNA  
 308 <213> ORGANISM: Artificial Sequence  
 310 <220> FEATURE:  
 311 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 312 Primer  
 314 <400> SEQUENCE: 17  
 315 aggtvmaact gcagvagtcw gg 22  
 318 <210> SEQ ID NO: 18  
 319 <211> LENGTH: 22  
 320 <212> TYPE: DNA  
 321 <213> ORGANISM: Artificial Sequence  
 323 <220> FEATURE:  
 324 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 325 Primer  
 327 <400> SEQUENCE: 18  
 328 aggtvvagct gcagvagtcw gg 22  
 331 <210> SEQ ID NO: 19  
 332 <211> LENGTH: 18  
 333 <212> TYPE: DNA  
 334 <213> ORGANISM: Artificial Sequence  
 336 <220> FEATURE:  
 337 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 338 Primer  
 340 <400> SEQUENCE: 19  
 341 actgcaggtr tccactcc 18  
 344 <210> SEQ ID NO: 20

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/565,415

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Input Set : F:\UTSG263.APP.txt

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L:11 M:270 C: Current Application Number differs, Replaced Current Application Number